36KV 10kA Polymer Lightning Arrester

Model:YH10W-36

M. V. Polymer Lightning Arresters are used to protect transformers and other equipments in station and distribution systems against the damage by atmospheric (especially lightning effects) and operational conditions. Metal oxides Lightning arresters without gaps are designed to prevent probable damages in the case of typical surges in energy systems while it has no negative effect on energy systems in normal operation voltage. This special feature of gapless arresters originating from non-linear characteristics of metal-oxide varistors between voltage and current scales. The non-linear feature is much higher compared to silicon carbide lightning arresters.

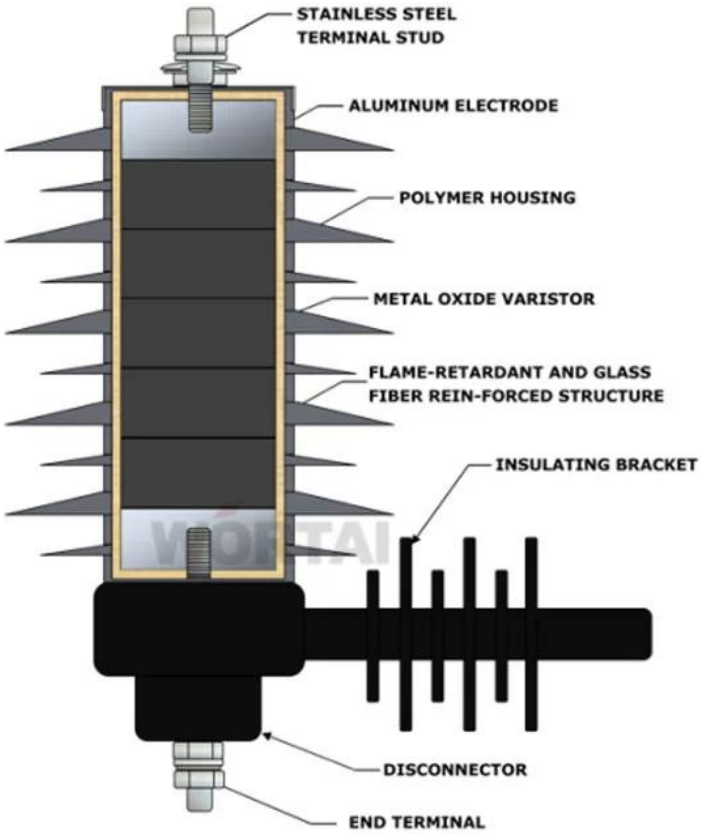
Product Introduction

Normal service conditions

1.The ambient temperature: -40°C ~+40°C
2.The altitude above sea level :not exceed 1000-2000m (the altiplano area should be indicated when order)
3.Earthquake intensity: not higher than 7 degrees;
4.Maximum wind velocity :less than 35m/s.
5.The filthy area should be given clear indication.

Product Feature

The zinc oxide lightning arrester is the most advanced over-voltage protector in the world. Due to make the resistor disc of core component mainly adopt zinc oxide arrester. Compared with the conventional silicon carbide arrester, this prescription of the product improves greatly the volt-ampere characteristics of the resistor disc and increase through- current capability at over-voltage so as to bring a rad local-changes for the characteristics of the arresters.
* Rated Voltage(Ur): 3kV – 36kV
* Nominal Discharge Current(In): 5kA or 10kA
* Long Duration Current Impulse: 150A or 250A
* High Current Impulse(Imax): 65kA or 100kA
* Pressure relief capability: 16kA or 20kA
* Creepage distance: ≥25mm/kV, or ≥31mm/kV



Products Parameter (Specification)

10kA Series

Arrester type	Rated voltage Ur (kV)	Max. continues operating voltage		Residual Voltage (kV)		
		as per IEC	as per ANSI/IEEE	1/10 μs Steep current impuse	8/20μs Lightning current impulse	30/60μs Switching current impulse
		Uc (kV)	MCOV (kV)			
Y10W-3/9	3	2.4	2.55	11.3	9	8.9
Y10W-6/18	6	4.8	5.1	20.5	18	16
Y10W-9/27	9	7.2	7.65	31	27	24
Y10W-10.5/30	10.5	8.4	9.3	36.3	31.5	27.6
Y10W-11/33	11	8.8	9.35	38	33	29
Y10W-12/36	12	9.6	10.2	41.5	36	30.6

Y10W-15/45	15	12.0	12.7	52	45	38.3
Y10W-18/54	18	14.4	15.3	62	54	46
Y10W-21/63	21	16.8	17	72.5	63	53.5
Y10W-24/72	24	19.2	19.5	82.5	72	61.2
Y10W-27/81	27	21.6	22	93.2	81	69
Y10W-30/90	30	24.0	24.4	104	90	80
Y10W-33/99	33	26.4	28.0	113.8	99	84.2
Y10W-36/108	36	28.8	29.0	124.2	108	91.8

5kA Series

Arrester type	Rated voltage Ur (kV)	Max. continues operating voltage		Residual Voltage (kV)		
		as per IEC	as per ANSI/IEEE	1/10 μs Steep current impuse	8/20μs Lightning current impulse	30/60μs Switching current impulse
		Uc (kV)	MCOV (kV)			
Y5W-3/9	3	2.4	2.55	11.3	9	8.9
Y5W-6/18	6	4.8	5.1	20.5	18	16
Y5W-9/27	9	7.2	7.65	31	27	24
Y5W-10/30	10	8.0	9.3	34.1	30	26.6
Y5W-11/33	11	8.8	9.35	38	33	29
Y5W-12/36	12	9.6	10.2	41.5	36	30.6
Y5W-15/45	15	12.0	12.7	52	45	38.3
Y5W-18/54	18	14.4	15.3	62	54	46
Y5W-21/63	21	16.8	17	72.5	63	53.5
Y5W-24/72	24	19.2	19.5	82.5	72	61.2
Y5W-27/81	27	21.6	22	93.2	81	69
Y5W-30/90	30	24.0	24.4	104	90	80
Y5W-33/99	33	26.4	28.0	113.8	99	84.2
Y5W-36/108	36	28.8	29.0	124.2	108	91.8

More Products

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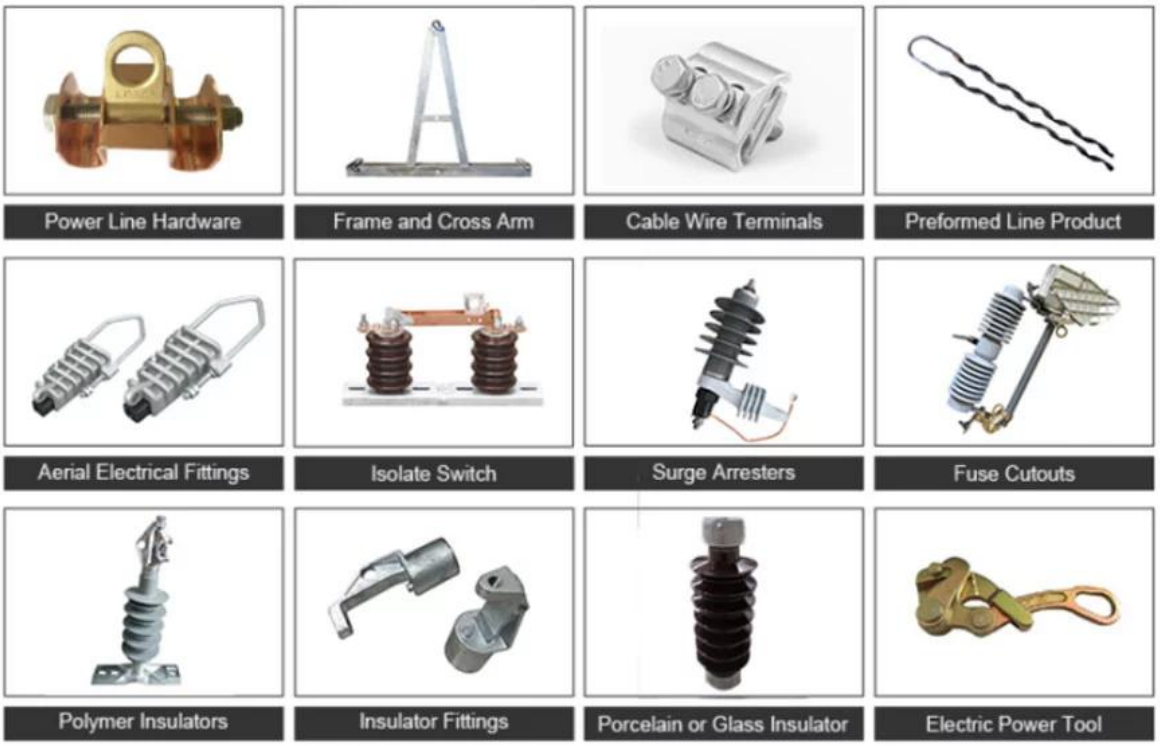

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